ACU-RITE®

Instruction Manual

Digital Refrigerator/Freezer Thermometer

model 00986



CONTENTS

Questions? Contact Customer Support at (877) 221-1252 or visit www.**AcuRite**.com.

SAVE THIS MANUAL FOR FUTURE REFERENCE.

Congratulations on your new AcuRite product. To ensure the best possible product performance, please read this manual in its entirety and retain it for future reference.

Unpacking Instructions

Remove the protective film that is applied to the LCD screen prior to using this product. Locate the tab and peel off to remove.

Package Contents

1. Display unit
2. 2 Wireless sensors
3. Instruction manual

IMPORTANT PRODUCT MUST BE REGISTERED TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION
Register online
to receive 1 year
warranty protection
www.**AcuRite**.com



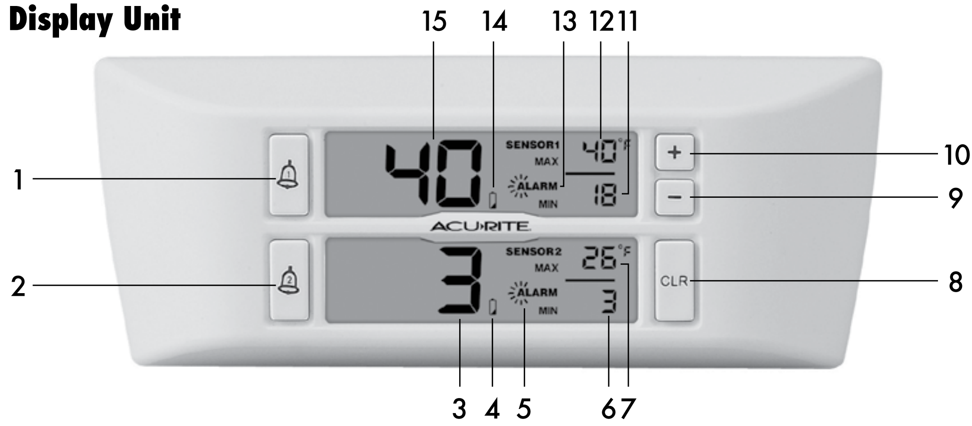
Features & Benefits: Sensors

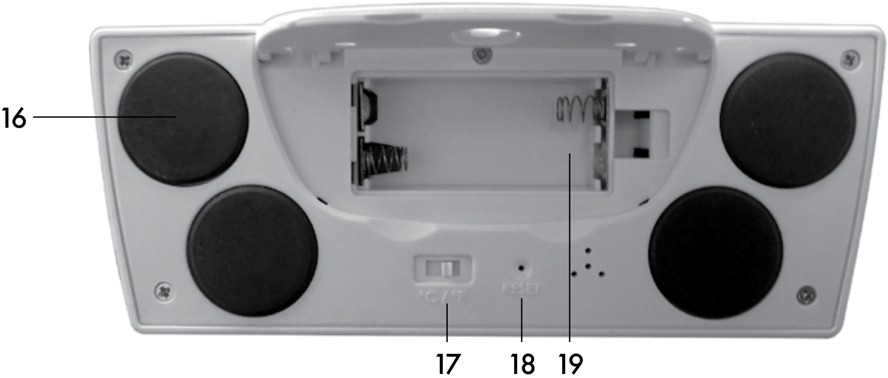


1. **Sensor #1**
   for refrigerator (default) or freezer use.
2. **Wireless Signal Indicator**
   Flashes when data is being sent to the display unit.
3. **Battery Compartment**
4. **Sensor #2**
   for freezer (default) or refrigerator use.
5. **Suction Cup / Shelf Clip** (on back)
   for versatile mounting options.

Features & Benefits

Display Unit



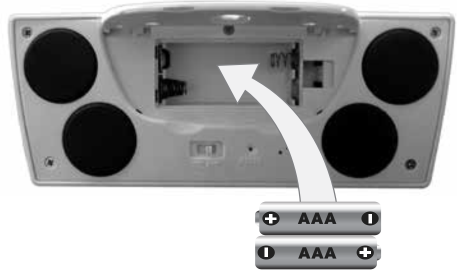


1. **Sensor #1 ALARM ON/OFF Button**
2. **Sensor #2 ALARM ON/OFF Button**
3. **Sensor #2 Current Temperature**
4. **Sensor #2 Low Battery Indicator**
5. **Sensor #2 Alarm ON Indicator**
6. **Sensor #2 Low Temperature**
   Lowest temperature recorded.
7. **Sensor #2 High Temperature**
   Highest temperature recorded.
8. **CLR Button**
   Press to reset High/Low records.
9. **- Button**
   For alarm setup preferences.
10. **+ Button**
    For alarm setup preferences.
11. **Sensor #1 Low Temperature**
    Lowest temperature recorded.
12. **Sensor #1 High Temperature**
    Highest temperature recorded.
13. **Sensor #1 Alarm ON Indicator**
14. **Sensor #1 Low Battery Indicator**
15. **Sensor #1 Current Temperature**
16. **Magnet-Mountable**
17. **°C/°F Switch**
    Select between degrees Celsius or Fahrenheit.
18. **RESET Button**
    Full reset to factory defaults.
19. **Battery Compartment**

Install or Replace Batteries

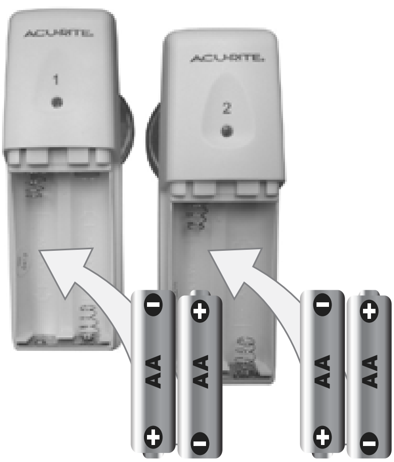
AcuRite recommends high quality alkaline batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended.

The freezer sensor requires lithium batteries for low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the freezer sensor for temperatures below -4°F / -20°C.



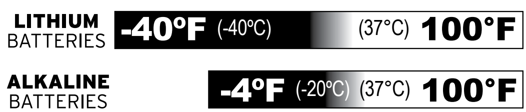
Thermometer Display

1. Lift up the battery door and slide off the battery compartment cover.
2. Insert 2 x AAA batteries into the battery compartment. Follow the polarity (+/-) diagram in the battery compartment.
3. Replace the battery cover.



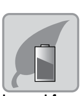
Sensors

1. Slide off the battery compartment covers, located on the front of the units.
2. Insert 2 x AA batteries into the battery compartment. Follow the polarity (+/-) diagram in the battery compartment.
3. Replace the battery cover.



Select Degrees Fahrenheit or Celsius

To select between degrees Fahrenheit (°F) or Celsius (°C) temperature units, slide the "°C/°F" switch, located on the back of the thermometer display.



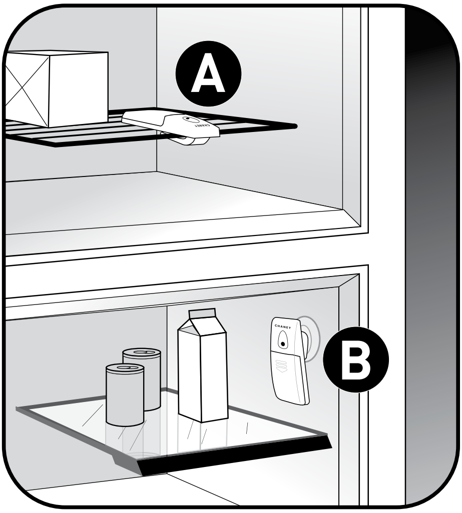
PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

BATTERY SAFETY: Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

Display Unit Placement

Place display unit in a dry area free of dirt and dust. Display is magnet-mountable. For wall mounting, hang using the keyhole located on the back of the unit.

Sensor Placement



Sensor #1 should be placed in the REFRIGERATOR. Sensor #2 should be placed in the FREEZER.
Note: Both sensors will work in either location, however the default alerts are based on the placement mentioned above.

Each sensor is equipped with a spring-action clip with a rubber grip to securely attached to the edge of a glass or wire shelf (A).

Each sensor also includes a detachable suction cup that can be used to attach the sensor to the interior surface of the refrigerator (B). Please note: suction cups do not adhere well to freezing surfaces.

Display unit and sensors must be located within 75 ft (23 m) of each other.

Using the Thermometer

High & Low Records

The thermometer records high and low temperature records for each sensor. These readings reflect the highest and lowest temperatures recorded since the batteries were inserted or since the CLR button was last pressed.

To reset the High/Low records, press and release the “CLR” button once. This clears the records from both sensors.

Programmable Alarms

Programmable alarms notify you audibly and visually when temperatures exceed your preset minimum / maximum temperature range. An alert is triggered when a temperature is out of range for longer than 15 minutes. This prevents false alarms due to the fridge/freezer door being held open while new items are being loaded/unloaded.

The default temperature alarm settings for Sensor #1 (refrigerator thermometer) are minimum 33°F / maximum 40°F. The default temperature alarm settings for Sensor #2 (freezer thermometer) are minimum -22°F / maximum 0°F.

To customize temperature alarms:

1. Press and HOLD the “1” button until the Current Temperature disappears and the maximum temperature alarm setting is shown in its place.
2. Press the “ + “ or “ – “ buttons to increase or decrease the maximum temperature alarm setting.
3. Press the “1” button to confirm the maximum temperature alarm setting. The unit will beep and the minimum temperature alarm setting wil be shown.
4. Press the “ + “ or “ – “ buttons to increase or decrease the minimum temperature alarm setting.
5. Press the “1” button to confirm the minimum temperature alarm setting.
6. Press the “1” button to turn ON/OFF the alarm. The “ALARM” icon on the the display indicates that the alarm is ON.

For Alarm #2, repeat steps 1 through 5 using the “2” button.

NOTE: When thermometer is in normal operating mode (not in alarm setup mode), the High/Low readings display the highest/lowest temperature recordings.

Troubleshooting

Temperature is showing "E" or dashes	• Relocate the display and/or the sensors. • The units must be within 75 ft (23 m) of each other. • Flashing of the temperature is generally an indication of wireless interference. Perform a hard reset to gain a strong connection between the units: 1. Bring all 3 units together, side-by-side. 2. Remove all batteries from all 3 units. 3. Reinstall batteries in thermometer display unit first. 4. Reinstall batteries into sensor #1. 5. Reinstall batteries into sensor #2. 6. The display unit should read temperatures from both sensors almost instantly.
Inaccurate temperature	• Use standard alkaline batteries (or lithium batteries in sensor when temperature is below -4°F/-20°C). Do not use heavy duty or rechargeable batteries.
Display screen not working	• Check that the batteries are installed correctly. Batteries may need to be replaced. • Reset display by pressing the RESET button, located on the back of the display unit.
Current Temperature reads "-H-" or "-L-"	• Verify you're within the measurable temperature range (-40°F to 100°F; -40°C to 37°C).

If your AcuRite product does not operate properly after trying the troubleshooting steps, visit www.AcuRite.com or call (877) 221-1252 for assistance.

Care & Maintenance

Clean with a soft damp cloth. Do not use caustic cleaners or abrasives.

Specifications

TEMPERATURE RANGE	-40ºF to 100ºF; -40ºC to 37ºC
WIRELESS RANGE	75 ft / 23 m signal range is impacted by sensor location and may vary
WIRELESS FREQUENCY	433 MHz
POWER	Display Unit: 2 x AAA alkaline batteries Sensor #1: 2 x AA alkaline or lithium batteries Sensor #2: 2 x AA alkaline or lithium batteries
DATA REPORTING	16 second updates

FCC Information

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:
1- This device may NOT cause harmful interference, and
2- This device must accept any interference received, including interference that may cause undesired operation.
WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.
This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) This device may not cause interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation of the device.

Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:

(877) 221-1252 info@chaney-inst.com

24/7 support at www.**AcuRite**.com

- ▶ Installation Videos
- ▶ Instruction Manuals
- ▶ Replacement Parts
- ▶ Register your Product
- ▶ Support User Forum
- ▶ Submit Feedback & Ideas

IMPORTANT PRODUCT MUST BE REGISTERED TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION

Register online to receive 1 year warranty protection

www.**AcuRite**.com



Limited One Year Warranty

At AcuRite, we proudly uphold our commitment to quality technology. Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase.

We recommend that you visit us at www.AcuRite.com for the fastest way to register your product. However, product registration does not eliminate the need to retain your original proof of purchase in order to obtain warranty benefits.

Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase. Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by Chaney, and at its sole option, be repaired or replaced by Chaney. Transportation costs and charges for returned goods shall be paid for by the purchaser. Chaney hereby disclaims all responsibility for such transportation costs and charges. This warranty will not be breached, and Chaney will give no credit for products it manufactures which have received normal wear and tear, been damaged (including by acts of nature), tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

The above-described warranty is expressly in lieu of all other warranties, express or implied, and all other warranties are hereby expressly disclaimed, including without limitation the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. Chaney expressly disclaims all liability for special, consequential or incidental damages, whether arising in tort or by contract from any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Chaney further disclaims all liability from personal injury relating to its products to the extent permitted by law. By acceptance of any of Chaney's products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to assume for Chaney any other liability in connection with the sale of its products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this paragraph, and the preceding paragraph, unless done in writing and signed by a duly authorized agent of Chaney. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For in-warranty claims: Chaney Instrument Co.
965 Wells St., Lake Geneva, WI 53147

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Weather
Stations



Temperature
& Humidity



Weather
Alert Radio



Kitchen
Thermometers
& Timers



Clocks

It’s more than accurate, it’s ACURITE®

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www.AcuRite.com

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